

Claims

1. A spring doctor, particularly for use for cleaning the rolls (2) of a paper machine during operation and including a blade (8) that is essentially the width of the roll (2) being cleaned, and which is attached to a blade holder (1), and operating means (for example, 6, 7) for creating the desired pressure of the doctor blade against the roll, **characterized** in that the blade (8) is manufactured from a composite material formed of a matrix and a reinforcement, in which the reinforcement is formed of a fibrous material and that, in the operating situation, the blade is convex in the direction outwards from the roll (2).
2. A spring doctor according to Claim 1, **characterized** in that the blade holder (1) is pivoted around a shaft pin (4), to be able to be rotated to at least a limited extent.
3. A spring doctor according to Claim 1, **characterized** in that if desired, the doctor blade (8) has, at a distance from its point, particularly a plate-like dirt protector (13).
4. A spring doctor according to Claim 1, **characterized** in that the blade (8) has, in the immediate vicinity of the attachment location of the blade holder, a bend (12), curve, or other similar shape.
5. A spring doctor according to any of the above Claims, **characterized** in that the blade (8) is a combination of a curved portion and essentially straight portion.
6. A spring doctor according to any of the above Claims, **characterized** in that the thickness of the blade (8) varies over its length.
7. A spring doctor according to Claim 7, **characterized** in that the blade (8) thins towards its point.

8. A spring doctor according to Claim 1, **characterized** in that the number or orientation of the reinforcing fibres of the composite material of the blade (8) vary in different parts of the blade.